



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

STROUP *et al.*

Appl. No. 10/623,806

Filed: July 22, 2003

For: **Cupola Slag Cement Mixture and  
Methods of Making and Using the  
Same**

Art Unit: To be assigned

Examiner: To be assigned

Atty. Docket: 04853.0002.CNUS03

**Confirmation No. 5278**

**Information Disclosure Statement**

***Mail Stop Missing Parts***

Commissioner for Patents

Alexandria, VA 22313-1450

Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicants have listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted

herewith. It is further understood that the Examiner will consider information that had been cited by or submitted to the U.S. Patent and Trademark Office in a prior application relied on under 35 U.S.C. § 120. 1138 OG 37, 38 (May 19, 1992).

Applicants have checked the appropriate boxes below.

- ☒ 1. This Information Disclosure Statement is being filed;
- ☐ a. Within three months of the U.S. filing date of a national application other than a continued prosecution application under §1.53(d);
  - ☐ b. Within three months of the date of entry of the national stage as set forth in §1.491 in an international application;
  - ☒ c. Before the mailing date of a first Office Action on the merits;
  - ☐ d. Before the mailing of a first Office Action after filing of a request for continued examination under § 1.115.

No statement under 37 C.F.R. § 1.97(e) or fee is required.

or;

- ☐ 2. This Information Disclosure Statement is being filed after the period specified in paragraph 1(a)-1(d) above, but before the mailing date of a Final Rejection or Notice of Allowance, or action that otherwise closes prosecution in the application, and
- ☐ a. I hereby state that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1), or
  - ☐ b. I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to my knowledge after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2), or

- ☐ c. Attached is our Check No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ in payment of the fee under 37 C.F.R. § 1.17(p).
- ☐ 3. This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but on or before payment of the Issue Fee. Attached is our Check No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ in payment of the fee under 37 C.F.R. § 1.17(i), and
- ☐ a. I hereby state that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1), or
- ☐ b. I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to my knowledge after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).
- ☐ 4. Relevance of the non-English language document(s) is discussed in the present specification.
- ☐ 5. The document(s) was/were cited in a corresponding foreign application. An English language version of the foreign search report is attached for the Examiner's information.
- ☐ 6. A concise explanation of the relevance of the non-English language document(s) appears below:
- ☒ 7. The Examiner's attention is directed to co-pending U.S. Patent Application No. 09/784,344, filed February 16, 2001 which issued on February 18, 2003 as U.S. Patent No. 6,521,039, and U.S. Patent Application No. 10/285,682, filed November 1, 2002, which are directed to related technical subject matter. The

identification of this U.S. Patent Application is not to be construed as a waiver of secrecy as to that application now or upon issuance of the present application as a patent. The Examiner is respectfully requested to consider the cited application and the art cited therein during examination.

- ☒ 8. Copies of the documents were cited by or submitted to the Office in Application No. 09/784,344, filed February 16, 2001 which issued on February 18, 2003 as U.S. Patent No. 6,521,039, which is relied upon for an earlier filing date under 35 U.S.C. § 120. Thus, copies of these documents are not attached. 37 C.F.R. § 1.98(d).

It is respectfully requested that the Examiner initial and return a copy of the enclosed PTO-1449, and to indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 08-3038 referencing docket number 04853.0002.CNUS03.

Respectfully submitted,



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Date: June 28, 2004

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## LIST OF REFERENCES CITED BY APPLICANT

(Use several sheets if necessary)

PTO FORM 1449

ATTY. DOCKET NO.

04853.0002.CNUS03

APPLICATION NO.

10/623,806

APPLICANT

STROUP *et al.*

FILING DATE

July 22, 2003

GROUP

Unassigned

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	1.	1,627,237	05/1927	Harding			
	2.	1,823,928	09/1931	Bjorkman			
	3.	1,831,702	11/1931	Cadre			
	4.	1,916,157	06/1933	Chappell			
	5.	2,248,032	07/1941	Dunn <i>et al.</i>			
	6.	2,248,033	07/1941	Wallace <i>et al.</i>			
	7.	2,446,990	08/1948	Schuetz			
	8.	2,752,261	06/1956	Dournaud			
	9.	2,803,556	08/1957	Carlsson <i>et al.</i>			
	10.	2,947,643	08/1960	Kamlet			
	11.	3,230,103	01/1966	Minnick			
	12.	3,565,648	02/1971	Mori <i>et al.</i>			
	13.	4,134,774	01/1979	Heese <i>et al.</i>			
	14.	4,306,912	12/1981	Forss.			
	15.	4,369,054	01/1983	Shinholster Jr. <i>et al.</i>			
	16.	4,377,416	03/1983	Maul <i>et al.</i>			
	17.	4,715,896	12/1987	Berry			
	18.	4,842,649	06/1989	Heitzmann <i>et al.</i>			
	19.	4,964,912	10/1990	Okabayashi <i>et al.</i>			
	20.	4,968,349	11/1990	Virtanen			
	21.	5,073,198	11/1991	Kurz			
	22.	5,084,102	01/1992	Brouns <i>et al.</i>			
	23.	5,275,511	01/1994	Pelletier <i>et al.</i>			
	24.	5,311,944	05/1994	Cowan <i>et al.</i>			
	25.	5,346,548	09/1994	Mehta			
	26.	5,374,309	12/1994	Piniecki			
	27.	5,393,342	02/1995	Hooykaas			

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



<b>LIST OF REFERENCES CITED BY APPLICANT</b> <i>(Use several sheets if necessary)</i>  <b>PTO FORM 1449</b>	ATTY. DOCKET NO.	APPLICATION NO.
	04853.0002.CNUS03	10/623,806
	APPLICANT STROUP <i>et al.</i>	
	FILING DATE	GROUP
	July 22, 2003	Unassigned

	28.	5,395,443	03/1995	Hooykaas			
	29.	5,421,880	06/1995	Young			
	30.	5,473,998	12/1995	Allen <i>et al.</i>			
	31.	5,482,549	01/1996	Blaakmeer <i>et al.</i>			
	32.	5,494,515	02/1996	Young			
	33.	5,553,670	09/1996	Cowan			
	34.	5,556,457	09/1996	Terza <i>et al.</i>			
	35.	5,714,002	02/1998	Styron			
	36.	5,714,003	02/1998	Styron			
	37.	5,766,297	06/1998	Piniecki			
	38.	5,976,243	11/1999	Oates <i>et al.</i>			
	39.	5,997,632	12/1999	Styron			
	40.	6,007,619	12/1999	Laas <i>et al.</i>			
	41.	6,008,275	12/1999	Moreau <i>et al.</i>			

#### FOREIGN PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	42.	CS 91288	8/15/1959	Czechoslovakia				
	43.	DE19533998	5/15/1996	Germany				
	44.	DE19533999	5/15/1996	Germany				
	45.	RO115252	12/30/1999	Romania				
	46.	SU1250533	8/15/1986	Soviet Union				
	47.	SU1413072	7/30/1988	Soviet Union				
	48.	SU1416464	8/15/1988	Soviet Union				
	49.	SU1744078	6/29/1992	Soviet Union				
	50.	SU 1759803	09/1992	Soviet Union				

#### OTHER REFERENCES

*(Including Author, Title, Date, Pertinent Pages, Etc.)*

	51.	ASTM Designation: C 989-99 "Standard Specification for Ground Granulated Blast-Furnace Slag for Use in Concrete and Mortars" (1999).
	52.	Krivenko <i>et al.</i> , "Slag-alkali binders from cupola slag," Building Construction Materials vol. 3-4, pp. 16-17 (1992) Original Russian and English Translation provided

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[illegible]

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